

Proposed Amendment dated July 15, 2009  
Reply to Office Action of March 25, 2009

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listing of claims in the application.

**Listing of Claims:**

1-6. (canceled).

7. (currently amended) An automatic analyzer provided with an analysis means to analyze the for analyzing physical properties of a specimen comprising: contained in a mixed liquid of said specimen and a reagent poured into a reaction vessel,

said automatic analyzer comprising:

a reaction vessel containing an analysis item of said specimen and a reagent,  
a first acoustic wave generation means installed outside said reaction vessel  
to irradiatefor irradiating an acoustic wave toward said reaction vessel,  
a second acoustic wave generation means to irradiatefor irradiating a lower acoustic wave from a bottom of the reaction vessel towards a liquid level of said mixed liquidanalysis item so as to raise a part of said liquid level by an acoustic radiation pressure of said lower acoustic wave, and

a control means to controlfor controlling a position for irradiation of the acoustic wave by said first acoustic wave generating means according to a liquid level of said mixed liquidanalysis item,

wherein said part of the liquid level raised by said second acoustic wave generation means is irradiated with the acoustic wave from said first acoustic wave generation means by controlling said position.

8. (currently amended) An automatic analyzer according to claim 7, wherein a plurality of analysis items exist and further comprising a storage means for storing the acoustic wave irradiation position in an associated format for each a plurality of analysis items,

wherein said control means refers to stored data in said storage means to determine the irradiation position in conformance to each analysis item.

9. (currently amended) An automatic analyzer according to claim 7, wherein a plurality of analysis items exist and further comprising a storage means for storing an amount of specimen and reagent required for each a plurality of analysis items in an associated format,

wherein said control means refers to stored data in said storage means to calculate the liquid level of the specimen and reagent inside the reaction vessel in conformance to each analysis item to be analyzed, and to determine the irradiation position according to the calculated liquid level.

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10. (currently amended) An automatic analyzer according to claim 7, further comprising a receiving means ~~to receive~~for receiving the command on the position for irradiation of acoustic waves by said first acoustic wave generating means, wherein said control means determines the irradiation position according to the command received by said receiving means.

11. (currently amended) An automatic analyzer ~~provided with an analysis~~ means ~~to analyze the~~for analyzing physical properties of a specimen contained in a mixed liquid of said specimen and a reagent poured into a reaction vessel, ~~said automatic analyzer~~ comprising:

a reaction vessel containing an analysis item of said specimen and a reagent,  
~~a first acoustic wave generation means installed outside said reaction vessel to irradiate~~for irradiating an acoustic wave toward said reaction vessel,  
~~a second acoustic wave generation means to irradiate~~for irradiating a lower acoustic wave from a bottom of the reaction vessel towards a liquid level of said ~~analysis item~~mixed liquid so as to raise a part of said liquid level by an acoustic radiation pressure of said lower acoustic wave, and  
~~a control means to control~~for controlling an angle for irradiation of the acoustic wave by said first acoustic wave generating means according to a liquid level of said ~~analysis item~~specimen and reagent,

wherein said part of the liquid level raised by said second acoustic wave generation means is irradiated with the acoustic wave from said first acoustic wave generation means by controlling said angle.

12. (currently amended) An automatic analyzer according to claim 7, wherein ~~a plurality of analysis items exist and further comprising a storage means for storing the acoustic wave irradiation intensity in an associated format for each a plurality of analysis items,~~

wherein said control means refers to stored data in said storage means to determine the irradiation intensity in conformance to each analysis item.

13. (currently amended) An automatic analyzer according to claim 7, wherein ~~a plurality of reagents exist, each having corresponding reagent information, the automatic analyzer further comprising a storage means for storing the acoustic wave irradiation intensity in an associated format for each a plurality of reagent information corresponding to a plurality of analysis items, respectively,~~

wherein said control means refers to stored data in said storage means to determine the irradiation intensity in conformance to the reagent to be analyzed.

14. (previously presented) An automatic analyzer according to claim 7, further comprising a reading means for reading the information on acoustic wave irradiation

intensity recorded in a reagent bottle containing the reagent before it is poured into said reaction vessel,

wherein said control means refers to the reading of said reading means to determine irradiation intensity in conformance to the reagent.

15. (previously presented) An automatic analyzer according to claim 7, further comprising a receiving means for receiving the command on the intensity for irradiation of acoustic waves by said first acoustic wave generating means, wherein said control means determines the irradiation intensity according to the command received by said receiving means.

16. (currently amended) An automatic analyzer provided with an analysis means to analyze the for analyzing physical properties of a specimen contained in a mixed liquid said specimen and a reagent poured into a reaction vessel, said automatic analyzer comprising:  
a reaction vessel containing an analysis item of said specimen and a reagent,  
a first acoustic wave generation means installed outside said reaction vessel to irradiate for irradiating an acoustic wave toward said reaction vessel,  
a second acoustic wave generation means to irradiate for irradiating a lower acoustic wave from a bottom of the reaction vessel towards a liquid level of said analysis item mixed liquid so as to raise a part of said liquid level by an acoustic radiation pressure of said lower acoustic wave, and

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a control means ~~to control~~for controlling at least one of a position, an angle and an intensity for irradiation of the acoustic wave by said first acoustic wave generating means according to a liquid level of said analysis item~~mixed liquid~~,

wherein said part of the liquid level raised by said second acoustic wave generation means is irradiated with the acoustic wave from said first acoustic wave generation means by controlling said at least one of said position, said angle and said intensity.